Material Safety Data Sheet
Attapulgite

Section 1-Product Identification & Company Information

Product Name : Attapulgite
Synonyms : Attapulgite Clay / Palygorskite
CAS No : 12174-11-7

Company Name & Address : The BTTCO Overseas
6, Ashirvad Complex, Nr. Sardar Patel Seva Samaj Hall,
Navrangpura, Ahmedabad 380009, India

Telephone Number : +91-94265 96891
Contact Person : Mr. Dinaish Lunkad

Section 2- Composition/Information on Ingredients

Substance type : Multi-constituent

Component	CAS No	Weight %	Classification (GHS-US)
Attapulgite (Palygorskite)	12174-11-7	95-100	Carc. 2, H351
Quartz (SiO2)	14808-60-7	0 - 1	Not classified

Section 3- Hazards Identification

Classification (GHS-US) : Carc. 2 H351, Full text of H-phrases: see section 16

GHS-US labeling
Hazard pictograms (GHS-US) : GHS 08



Signal word (GHS-US) : Warning
Hazard statements

(GHS-US) : H351 - Suspected of causing cancer

Precautionary statements (GHS-US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to licensed waste disposal facility.

Other hazards : No additional information available

Unknown acute toxicity (GHS US) : No data available

Section 4- First Aid Measures

First-aid measures

General : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible, show this sheet; if not available show packaging or label.

Eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. May cause eye irritation.

Skin contact : Wash with plenty of soap and water. May cause skin irritation.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. May cause irritation to the respiratory tract. Aggravates pre-existing pulmonary conditions such as asthma and chronic lung disease. Respirable fractions of quartz in this product are no more than 1% and the crystalline fraction is much smaller.

Ingestion : Never give anything by mouth to an unconscious person. Get medical advice/attention. May be harmful if swallowed.

Consumption may lead to blockage of gastro-intestinal tract.

Section 5- Fire Fighting Measures

Extinguishing media : Not combustible. None known.

Special Remarks on Fire Hazards : None known.

Advice /Protection during Firefighting : Avoid contact with skin and eyes. Do not breathe dust.

Section 6- Accidental Release Measures

Personal precautions, Protective equipment and emergency procedures : Wear protective equipment as described in Section 8. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Sweep or shovel spills into appropriate container for disposal.

Reference to other Sections : See Heading 8. Exposure controls and personal protection.

Section 7- Handling and Storage

Handling/Precautions : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not breathe dust. Avoid dust formation. Provide local exhaust or general room ventilation to minimize exposure to dust. Wash hands and other exposed

areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

Storage : Keep container tightly closed. Store locked up. Store in a well-ventilated place. Store away from heat.

Incompatible materials : Contact with turpentine, vegetable oils or other unsaturated organic compounds may generate heat.

8. Exposure Controls/Personal Protection

Control parameters:

Silica, crystalline (quartz) (14808-60-7)		
USA ACGIH	**ACGIH TWA (mg/m³)**	**0.1 mg/m³ respirable dust**
USA OSHA	**OSHA PEL (TWA) (mg/m³)**	**15 mg/m³ nuisance dust**

Engineering Controls : Provide local exhaust or general room ventilation.

Personal Protection : Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection : Neoprene or nitrile rubber gloves.

Eye protection : Chemical goggles. Contact lenses should not be worn.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear suitable protective clothing. Where exposure through inhalation may occur from use; respiratory protection equipment is recommended. NIOSH-Certified dust and mist (orange cartridge) respirator.

Section 9- Physical and Chemical Properties

Physical State : Solid
Appearance : Powder
Molecular mass : 411.35 g/mol
Color : Tan to Gray
Odor : No Data Available
Odor Threshold : No Data Available

Refractive Index	: 1.57
pH	: No Data Available
Relative Evaporation Rate (Butyl Acetate = 1)	: No Data Available
Melting Point	: > 900°C (Decomposes)
Freezing Point	: No Data Available
Boiling Point	: No Data Available
Flash Point	: No Data Available
Auto-Ignition Temperature	: No Data Available
Decomposition Temperature	: No Data Available
Flammability	: No Data Available
Vapor Pressure	: < 0.01 mm Hg @ 20°C
Relative Vapor Density	: No Data Available
Relative Density	: 2.61 – 2.62
VOC Content	: 100%
Solubility	: Insoluble in Water
Log Pow	: No Data Available
Log Kow	: No Data Available
Viscosity, Kinematic	: No Data Available
Viscosity, Dynamic	: No Data Available
Explosive Properties	: No Data Available
Oxidizing Properties	: No Data Available
Explosion Limits	: No Data Available

Section 10- Stability and Reactivity

Stability	: Stable.
Possibility of hazardous Reactions	: No additional information available
Conditions to avoid	: None known.
Incompatibility with various Substances	: Contact with turpentine, vegetable oils or other unsaturated organic compounds may generate heat.
Hazardous decomposition products	: None known.
Reactivity	: No additional information available

Section 11- Toxicological Information

Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/ irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.
IARC has concluded that there was sufficient evidence of the carcinogenicity of crystalline silica to experimental animals, but that there was limited evidence of carcinogenicity of crystalline silica to humans. Limited evidence suggests that crystalline silica (quartz), a trace component, is a human carcinogen.

Attapulgite (12174-11-7)	
IARC group	2B - Possibly carcinogenic to humans, 3 - Not classifiable

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. Aggravates pre-existing pulmonary conditions such as asthma and chronic lung disease. Respirable fractions of quartz in this product are no more than 1% and the crystalline fraction is much smaller.
Symptoms/injuries after skin contact : May cause skin irritation.
Symptoms/injuries after eye contact : May cause eye irritation.
Symptoms/injuries after ingestion : May be harmful if swallowed. Consumption may lead to blockage of gastro-intestinal tract.

Section 12- Ecological Information

Ecotoxicity	: No additional information available
Mobility in soil	: No additional information available
Products of Biodegradation	: No additional information available
Bio-accumulative potential	: No additional information available
Effect on ozone layer	: No additional information available
Effect on the global Warming	: No known ecological damage caused by this product.

Section 13- Disposal Considerations

Waste Disposal : Do not dispose of waste into sewer. Landfill. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Section 14- Transport Information

DOT/IATA/IMDG/IMO

Proper Shipping Name	: Not Regulated
UN No.	: Not Regulated
CAS No.	: 12174-11-7
Hazard Class	: Not Classified as Dangerous Goods
Packing Group	: Not Applicable
IMDG Packing Group	: Not Applicable
Marine Pollutant	: No
EMS No.	: Not Applicable
ERG No.	: Not Applicable
Subsidiary Risk	: None
Label Required	: None
Hazchem Code	: Not Applicable
Tunnel Restriction Code	: Not Applicable
Transport Category	: Not Applicable
ICAO/IATA	: Not Regulated
IMDG	: Not Regulated
ADR/RID	: Not Regulated

Section 15- Regulatory Information

US Federal regulations

ATTAPULGITE (12174-11-7)	TSCA Exemption/ Exclusion	Exempt-Naturally Occurring Substances in accordance with 40 CFR 710.4(b).
ATTAPULGITE (12174-11-7)	TSCA inventory	Not listed on the United States TSCA (Toxic Substances Control Act) inventory
Silica, crystalline (quartz) (14808-60-7)	TSCA inventory	Listed on the United States TSCA (Toxic Substances Control Act) inventory

International regulations

Attapulgite (12174-11-7)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican national Inventory of Chemical Substances)

Silica, crystalline (quartz) (14808-60-7)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

US State regulations

ATTAPULGITE (12174-11-7)	
U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

Attapulgite (12174-11-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity – Female	U.S. - California - Proposition 65 - Reproductive Toxicity – Male	No significance risk level (NSRL)
Yes	No	No	No	-

Silica, crystalline (quartz) (14808-60-7)				
U.S.- California – Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity-Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	-

Section 16- Other Information

Abbreviations and acronyms:

ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

Full text of H-phrases:

Carc. 2	Carcinogenicity Category 2
H351	Suspected of causing cancer

HMIS III Rating

Health : 4 Severe Hazard - Life-threatening, major or permanent damage may result from single or repeated overexposures

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

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